

Application No.: 10/722304
Docket No.: CL2242USNA

Page 2

Amendments to Specification

Please replace the paragraph beginning on page 1, line 3 as follows:

In spite of these difficulties a number of conductive molecules have been synthesized. For example, Tours et al (~~WO 00/01369~~ US 6430511; (S. J. Tour, *Acc. Chem Res.*, 33, 791, 2000) teaches the assembly of molecular structures consisting of phenylene/ethynylene units and the measurement of the resistance/conductivity of a self-assembled monolayer deposited on a pattern of electrodes. Very few of these structures have been demonstrated to display distinct negative differential resistance (NDR) (increased resistance with increasing driving voltage) and then only under specific conditions, mostly at low temperatures.